

Date: Sun, 5 Dec 93 04:30:06 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1426
To: Info-Hams

Info-Hams Digest Sun, 5 Dec 93 Volume 93 : Issue 1426

Today's Topics:

Daily Summary of Solar Geophysical Activity for 01 December
Wanted|Mailing lists

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 2 Dec 1993 09:53:52 MST
From: ucsnews!sol.ctr.columbia.edu!math.ohio-state.edu!news.cyberstore.ca!
nntp.cs.ubc.ca!alberta!adec23!ve6mgs!usenet@network.ucsd.edu
Subject: Daily Summary of Solar Geophysical Activity for 01 December
To: info-hams@ucsd.edu

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DAILY SUMMARY OF SOLAR GEOPHYSICAL ACTIVITY

01 DECEMBER, 1993

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(Based In-Part On SESC Observational Data)

SOLAR AND GEOPHYSICAL ACTIVITY INDICES FOR 01 DECEMBER, 1993

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 335, 12/01/93

10.7 FLUX=108.6 90-AVG=095 SSN=100 BKI=2113 4434 BAI=015
 BGND-XRAY=B3.2 FLU1=2.5E+05 FLU10=1.3E+04 PKI=2115 5435 PAI=022
 BOU-DEV=010,006,009,035,061,044,034,060 DEV-AVG=032 NT SWF=00:000
 XRAY-MAX= C5.0 @ 0420UT XRAY-MIN= B1.8 @ 2227UT XRAY-AVG= B5.6
 NEUTN-MAX= +003% @ 0510UT NEUTN-MIN= -002% @ 2240UT NEUTN-AVG= -0.1%
 PCA-MAX= +0.1DB @ 1625UT PCA-MIN= -0.6DB @ 1320UT PCA-AVG= -0.0DB
 BOUTF-MAX=55361NT @ 2349UT BOUTF-MIN=55321NT @ 2131UT BOUTF-AVG=55345NT
 GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+059,+000,+000
 GOES6-MAX=P:+144NT@ 1537UT GOES6-MIN=N:-065NT@ 1157UT G6-AVG=+086,+015,-027
 FLUXFCST=STD:110,110,105;SESC:110,110,105 BAI/PAI-FCST=030,025,020/040,025,020
 KFCST=5556 6555 3334 5333 27DAY-AP=077,028 27DAY-KP=6667 6544 3355 4334
 WARNINGS=*SWF;*MINSTRM;*AURMIDWRN
 ALERTS=
 !!END-DATA!!

NOTE: The Effective Sunspot Number for 30 NOV 93 was 45.0.
 The Full Kp Indices for 30 NOV 93 are: 2+ 1- 0+ 1- 1+ 2- 1+ 1-

SYNOPSIS OF ACTIVITY

Solar activity was low. Region 7624 (N04W28) was responsible for three C-class flares including the largest of the period, a C5/1N at 01/0419UT. This region grew rapidly and also produced a number of B-class and subfaint flares through the period. Region 7627 (S07E57) is also growing at a good pace and produced a single C3/SF flare at 01/0705UT.

Solar activity forecast: solar activity is expected to be low. Region 7624 and 7627 both have good potential for C-class flaring and an outside chance of producing an isolated M-class flare.

The geomagnetic field has been at quiet to active levels for the past 24 hours at middle latitudes. High latitude stations saw minor to severe storming during the last half of the period. The activity is most likely the result of a well positioned coronal hole.

Geophysical activity forecast: the geomagnetic field is expected to be unsettled to minor storm at middle latitudes and minor to severe storm levels at high latitudes for the next 24 hours. Activity is then expected to be mostly unsettled to active for the remainder of the forecast period.

Event probabilities 02 dec-04 dec

Class M 15/15/15
Class X 01/01/01
Proton 01/01/01
PCAF Green

Geomagnetic activity probabilities 02 dec-04 dec

A. Middle Latitudes

Active 15/20/30
Minor Storm 30/20/20
Major-Severe Storm 20/20/20

B. High Latitudes

Active 20/20/30
Minor Storm 20/15/15
Major-Severe Storm 45/25/25

HF propagation conditions were not as significantly affected during the day as was previously forecasted due to the fact that the disturbance, which arrived near 12:00 UTC, failed to produce anticipated levels of geomagnetic activity. However, moderate to occasionally strong signal degradation was reported over the night-sector high and polar latitude paths with effects migrating as expected into the upper middle and some central-middle latitude paths. MUFs have decreased by up to 30 percent over many regions, with fading, multipathing, and absorption common causes of signal degradation. Conditions are expected to continue below-normal over the next 24 to 48 hours.

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REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 01/2400Z DECEMBER

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7623	S09W00	162	0030	HRX	03	006	ALPHA	
7624	N04W28	190	0250	DAO	09	023	BETA	
7625	S14W26	188	0020	BX0	07	008	BETA	
7627	S18E57	105	0210	DAO	10	010	BETA	
7628	S21W74	236	0010	BX0	03	003	BETA	
7622	N14W60	222					PLAGE	
7626	N27W14	176					PLAGE	

REGIONS DUE TO RETURN 02 DECEMBER TO 04 DECEMBER

NMBR LAT LO

NONE

LISTING OF SOLAR ENERGETIC EVENTS FOR 01 DECEMBER, 1993

A. ENERGETIC EVENTS:

BEGIN MAX END RGN LOC XRAY OP 245MHZ 10CM SWEEP
NONE

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 01 DECEMBER, 1993

BEGIN MAX END LOCATION TYPE SIZE DUR II IV
NO EVENTS OBSERVED

INFERRED CORONAL HOLES. LOCATIONS VALID AT 01/2400Z

ISOLATED HOLES AND POLAR EXTENSIONS
EAST SOUTH WEST NORTH CAR TYPE POL AREA OBSN
51 N50E47 S02W21 N10W52 N50E17 178 EXT POS 038 10830A

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
30 Nov:	0600	0608	0619	C9.2				240	720	320
	1320	1324	1328	C1.4						
	1602	1608	1615	B7.3						
	1803	1807	1817	B8.4	SF	7624	N03W14			

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

	C	M	X	S	1	2	3	4	Total	(%)
Region 7624:	0	0	0	1	0	0	0	0	001	(25.0)
Uncorrelated:	2	0	0	0	0	0	0	0	003	(75.0)

Total Events: 004 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
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NO EVENTS OBSERVED.

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep
IV	= Type IV Sweep
V	= Type V Sweep
Continuum	= Continuum Radio Event
Loop	= Loop Prominence System,
Spray	= Limb Spray,
Surge	= Bright Limb Surge,
EPL	= Eruptive Prominence on the Limb.

** End of Daily Report **

Date: Fri, 3 Dec 1993 07:45:38 GMT
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!usenet.ins.cwru.edu!
nshore!fmsystem.telemex.com!andrews@network.ucsd.edu
Subject: Wanted|Mailing lists
To: info-hams@ucsd.edu

Hello all, I am still in the never ending search for more mailing lists. I subscribe to qrp, boatanchors, cq-contest, dx, and land_mobile_radio. If you know of ANY other mailing lists, please email me with the address and how to subscribe.

Thanks...

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Mesmerized by a decade of hate, ! AMATEUR = N80FS
Flowers and remorse, ! ARMY MARS = AAN5HJT
Fading vision lost in time, ! CB = THE NEON KNIGHT
Tragedy on course!!! - Frontline Assembly ! HACKER = TH3 N30N KN16Ht

End of Info-Hams Digest V93 #1426
